

## MICHAEL A. GARCIA

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*It is said that the highest point a soul may obtain in this world is to be a teacher.*

*Chinese Proverb*

### PROFILE

My name is Michael Garcia and I am proud to be an educator. My guiding principle as an educator is a belief in a student-centered classroom where each student can engage in learning in a nurturing environment. Equally important to me are challenging and motivating my students to learn and achieve, while providing them a strong ethical base. I believe a high level of communication is the best strategy between myself, my students, their parents and my school administration.

My experience comes from twenty plus years at NASA's Jet Propulsion Laboratory, as a high school math teacher and from the many professional development workshops that I have conducted for JPL and Apple Inc. in which I have shown many hundreds of educators how to integrate technology into their math and science curricula.

### EDUCATION

BA Industrial Arts, California State University Los Angeles (CSULA)

Single-Subject Credential Program, Physical Sciences, CSULA

Single-Subject Credential Program, Mathematics, CSULA

Supplementary Authorization: Computer Concepts and Applications, CSULA

Master's Programs:

New Media Design and Production, School of Education, CSULA

Computer Technology, School of Education, CSULA, Winter 2009

### SKILLS

***Educator:*** Mathematics and Physical Science

***Trainer:*** Professional Development Workshops: Apple Inc., NASA/JPL.

***Computer and Internet Specialist:*** Extensive experience using interactive multimedia, data visualization, educational use of the Internet, website production and design. Expert rating Apple and PC platforms

***Education Technology Specialist:*** Extensive computer knowledge, including sensors/probes and related interface hardware and software, telescopes, microscopes, multimedia presentation techniques and the use of science project kits.

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**Curriculum Designer:** Curriculum content specialist for NASA-JPL and Apple Inc. Projects include the *Virtual Tech High School Project* Federal Department of Education, San Bernardino County Office of Education

**Grant Writer:** Grants and proposals to NASA Education Division, National Science Foundation, Pomona, Glendale, and Sanger Unified School Districts.

### EXPERIENCE

**Educator:** Claremont Graduate University, Claremont, CA, Current. Verdugo Hills High School, Los Angeles Unified School District, Spring 2007. James Monroe High School, Los Angeles Unified School District, 1981-82.

**Trainer:** *Professional Development*, Science, Mathematics and Technology Education, Consultant to Apple Inc., July 2004 - Current.

**Project Manager and Principal investigator:** Project SPACE Program: NASA Learning Technologies Project, High Performance Computing and Communication Program. Recipient of a 5-year NASA Learners Grant, 2000-2004.

**Writer,** *Virtual Tech High School Project* Federal Department of Education, San Bernardino County Office of Education: Created an improved high school physics curriculum with many interactive computer animations, visualizations, example problems, and research activities.

**Senior Education Specialist,** Jet Propulsion Laboratory, California Institute of Technology, Educational Affairs Office, Communications and Education: 1993 -2000

**Education Specialist,** Jet Propulsion Laboratory, California Institute of Technology, Educational Affairs Office, 1982-1992

### WORKSHOPS - PRESENTATIONS

“Tech-Ed” - Technology Education Conference, “Podcasting in Education,” 2007, Ontario, CA

Apple Professional Development Workshops: Math and Science Integration Inservice, 2004 – Current

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### **Apple Professional Development Educator Workshops, 2008**

- Pomona Unified School District, Pomona, CA January 26, 2008
- O'Neill High School, O'Neill, NE, February 21, 2008
- Pomona Unified School District, Pomona, CA, February 23, 2008
- Los Angeles USD, John Liechty MS, Los Angeles, CA March 1 and 8, 2008
- Los Angeles USD Civitas High School, Los Angeles, CA March 4 and 5, 2008
- Los Vegas Unified School District, Roy Martin MS, Los Vegas, NV, April 14, 2008
- Pomona Unified School District, Pomona, CA, April 19, 2008
- Los Angeles USD, Victory Boulevard Elem., Los Angeles, CA, May 27-29, 2008
- Ganado Unified School District, Ganado, AZ, June 2-5, 2008
- San Gabriel Academy, San Gabriel, CA, June 11-12, 2008
- Brawerman Elementary School, Los Angeles, CA, June 13, 2008
- Walnut Valley USD, Chaparral MS, Walnut Valley, CA June 20 and 27, 2008
- California Virtual Academics, Simi Valley, CA, June 30 and July 1, 2008
- Plaquemines Parish School District, Plaquemines Parish, LA, July 7-10, 14-17, 2008
- Pomona Unified School District, Pomona, CA, July 25, 2008
- Oro Grande ESD, Riverside Preparatory School, Victorville, CA, July 29-31, 2008
- Bullhead City Elementary School District, Bullhead City, NV, August 5-6, 2008
- Lake Mead Christian Academy, Henderson, NV, August 12-13, 2008
- Horizon Prep Schools, Rancho Santa Fe, CA, August 19, 2008
- Santa Monica-Malibu USD, Grant Elem., Santa Monica, CA, August 20-21, 2008
- Brawerman Elementary School, Los Angeles, CA, August 22, 2008
- Los Angeles USD, Marquez Charter Elementary, Los Angeles, CA, August 27, 2008
- The Children's School, La Jolla, CA, August 28, 2008
- The Wesley School, North Hollywood, CA, August 29, 2008
- Upper Township Middle School, Cape May, NJ, September 2-3, 2008
- Bullhead City Elementary School District, Bullhead City, NV, September 11-12, 2008
- Catholic Archdiocese of Los Angeles, St Martin Tours, LA, CA, September 17, 2008
- Atlanta Independent School District, Atlanta, TX September 19-20, 2008
- Pomona Unified School District, Pomona, CA, October 4, 2008
- Ballard School District, Solvang, CA, October 17, 2008
- Chadwick School, Palos Verdes Peninsula, CA, October 20, 2008
- Atlanta Independent School District, Atlanta, TX October 24-25, 2008
- Bullhead City Elementary School District, Bullhead City, NV, October 30-31, 2008

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- Flagler County Schools, Palm Coast, FL, November 3-4, 2008
- Lake Mead Christian Academy, Henderson, NV, November 10-11, 2008
- Bullhead City Elementary School District, Bullhead City, NV, November 13-14, 2008
- El Rancho USD, North Park MS, Pico Rivera, CA, November 19-20, 2008
- Salem Lutheran School, Orange, CA, November 24-25, 2008
- Public Schools of Robeson County Technology Services, NC, December 8-11, 2008

### **Apple Professional Development Educator Workshops, 2009**

- Atlanta Independent School District, Atlanta, TX, January 8-9, 2009
- Jonesboro Public Schools, Jonesboro High, Jonesboro, AR, January 19-22, 2009
- Santiam School District, Stayton High School, Stayton, OR, January 26, 2009
- Hope School District, Hope School, Santa Barbara, CA, January 29-30, 2009
- Garrett-Keyser-Butler School District, Garrett High, Garrett, IN, February 6, 2009
- Santa Barbara Community Academy, Santa Barbara, CA, February 17, 2009
- Garland Independent School District, Garland, TX, February 27, 2009
- Egremont School, Chatsworth, CA, March 23, 2009

CUE Conference, A Virtual Classroom: “How to use Second Life as a Teaching Tool,”  
March 8, 2009, Palm Springs, California

### **Awards**

#### NASA/JPL Group Achievement Awards

- Viking Mission to Mars, 1976
- Voyager Mission to Jupiter, Saturn, Uranus and Neptune, 1977-1989
- Galileo Mission to Jupiter, 1990
- Cassini Mission to Saturn, 1995

Pomona Unified School District, Academy Business Partner, 2000-2001

### **PROFESSIONAL ORGANIZATIONS**

National Council of Teachers of Mathematics

National Science Teachers Association

Computer Using Educators

Society for Advancement of Chicanos and Native Americans in Science

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### REFERRALS

**Adelaide Doyle-Nichols, Ph.D.** Tel. 323-343-4336, Email: [adoylen@calstatela.edu](mailto:adoylen@calstatela.edu)

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**Dr. Bruce C. Payne**, Tel. 626-347-1920, Email: [bpaynefish@aol.com](mailto:bpaynefish@aol.com)

**George H. Giaimo**, Tel. 323-447-7540, Email: [george@askbalboa.com](mailto:george@askbalboa.com)

***Letters of reference available upon request***